# 2004-2005 CAPITAL BUDGET

# 2005-2009 CAPITAL IMPROVEMENT PROGRAM

ENVIRONMENTAL
AND
UTILITY SERVICES
CSA

# City Service Area Environmental and Utility Services

#### **Performance Measures**

New capital project performance measures were established for the Environmental and Utility Services CSA in 2003-2004. These measures are consistent with the city-wide capital program performance measures.

On-time project delivery performance data is now reported in this document. Targets for the remaining performance measures have been set and data for these will be reported as projects are completed. Please see the Budget Guide section narrative for additional information on capital performance measure development.

#### Outcome: Reliable Utility Infrastructure

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5 Year Strategic Goals		2004-2009 5-yr Goal	2003-2004 1-yr Target	2003-2004 Estimate	2004-2005 1-yr Targe
Environmental and Utility Services CSA delivers quality Capital	% of CIP projects delivered within 2 months of approved baseline schedule	TBD	85%	90% 18/20	85%
Improvement Program (CIP) projects on-time and on-budget 2.	2. % of CIP projects that are completed within the approved baseline budget	TBD	90%	TBD	90%
	<ol> <li>% of project delivery costs (exclusive of city- wide overhead) compared to total construction cost for completed projects with construction costs:</li> </ol>				
	less than \$500,000- between \$500,000 and \$3M- greater than \$3M-	TBD	TBD TBD TBD	TBD TBD TBD	31% 23% 15%
	<ol> <li>% of operations and maintenance divisions rating new or rehabilitated capital facilities as being functional and sustainable after first year of use</li> </ol>	TBD	80%	TBD	80%
	<ol> <li>% of customers rating new or rehabilitated CIP projects as meeting established goals (4 or better based on a scale of 1-5)</li> </ol>				
	Public- City Staff-		85% 85%	TBD TBD	85% 85%

TBD: Please see the Budget Guide section narrative for additional information on the schedule for capital performance measure development.

	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	5-Year Total
Conitony Course Cypton						
Sanitary Sewer System Capital Program						
60" Brick Interceptor, Ph IB	900,000	200,000				1,100,000
60" Reinforced Concrete Pipe, Ph VB	150,000	200,000				150,000
84" RCP Interceptor, Ph VB, Ph VIB, Ph VII, & Ph VIIA	4,450,000		1,000,000	8,000,000		13,450,000
Almaden Boulevard	10,000					10,000
Budget Office Capital Program Staff	33,000	35,000	37,000	39,000	41,000	185,000
CIP Action Team	54,000	42,000	43,000	49,000	53,000	241,000
Civic Center Occupancy Reserve		44,000	92,000	93,000	94,000	323,000
Civic Center Start-up Costs	2,000					2,000
East San José	1,131,000	100,000				1,231,000
Edenvale Sanitary Sewer Supplement, Phase V	18,000,000	400,000	100,000			18,500,000
Evergreen Sewer	64,000					64,000
Fee Administration	60,000	63,000	66,000	68,000	69,000	326,000
Flow Monitoring Program (Master Planning)	1,050,000	150,000	150,000	150,000	150,000	1,650,000
Forest-Rosa Sewer	206,000	2,407,000	8,000			2,621,000
Fourth Interceptor, Ph VI & VII	950,000	2,000,000	10,030,000	3,500,000	9,000,000	25,480,000
Fourth Ward Area	896,000					896,000
Geographic Information System (GIS)	35,000	36,000	37,000	38,000	39,000	185,000
Hester-Naglee Area	565,000					565,000
Hobson-Walnut Area	100,000	1,000,000				1,100,000
Infiltration Reduction	3,310,000	560,000	1,230,000	1,230,000	1,230,000	7,560,000
Information Technology Staff Costs	69,000	45,000	47,000	49,000	51,000	261,000
Julian-Sunol Sewer	100,000					100,000
Miscellaneous Projects	695,000	300,000	300,000	1,000,000	1,120,000	3,415,000
Miscellaneous Rehabilitation Projects	4,250,000	2,085,000	2,000,000	2,730,000	2,605,000	13,670,000
Monterey-Riverside Sewer	513,000	2,044,000				2,557,000
Monterey-Riverside Supplement	60,000					60,000
Payments to West Valley Sanitation District	10,000	10,000	10,000	10,000	10,000	50,000
Permit Review and Inspection for Outside Agencies	75,000	75,000	75,000	75,000	75,000	375,000

	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	5-Year Total
Sanitary Sewer System (Cont'd.) Capital Program					-	
Preliminary Engineering	675,000	700,000	725,000	750,000	760,000	3,610,000
Public Works Engineering Services Equipment (Materials Lab)	33,000	35,000	37,000	38,000	39,000	182,000
Rosemary Area	86,000	1,090,000				1,176,000
San Tomas Aquino Creek Trunk	1,341,000	251,000				1,592,000
San Tomas Expressway Trunk	475,000					475,000
Third Ward Area	796,000					796,000
Trimble-Morrill Sewer	220,000					220,000
Willow-Union Trunk Sewer	120,000	3,500,000	120,000			3,740,000
Total: Construction/Non-Construction	41,484,000	17,172,000	16,107,000	17,819,000	15,336,000	107,918,000
Ending Fund Balance	2,819,252	2,434,252	3,223,252	1,873,252	2,827,252	2,827,252
Total: Sanitary Sewer System Capital Program	44,303,252	19,606,252	19,330,252	19,692,252	18,163,252	110,745,252*
Storm Sewer System Capital Program						
Albany-Kiely Storm Drainage Improvement,	1,980,000	25,000				2,005,000
Phase II						
Budget Office Capital Prog. Staff	23,000	10,000	7,000	7,000	7,000	54,000
CIP Action Team	26,000	19,000	21,000	22,000	21,000	109,000
Chateau Drive Storm Drain Improvement, Phase		150,000	513,000	150,000	513,000	1,326,000
Civic Center Occupancy Reserve		9,000	19,000	17,000	14,000	59,000
Fee Administration	14,000	12,000	12,000	10,000	10,000	58,000
Flow Monitoring System	9,000	9,000	9,000	9,000	9,000	45,000
Fremont Storm Drain Improvement	400,000					400,000
Geographic Information Systems	58,000	8,000	8,000	8,000	8,000	90,000
Guadalupe River Park	5,000		. 9			5,000
Guadalupe River Park Outfalls	235,000					235,000
Information Technology Staff	18,000	11,000	11,000	11,000	11,000	62,000
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						5-Year
	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	Total
Storm Sewer System (Cont'd.) Capital Program						
Master Planning	300,000	10,000	10,000	10,000	10,000	340,000
Minor Neighborhood Storm Drain Improvements	300,000	600,000	400,000	300,000		1,600,000
Miscellaneous Projects	537,000	100,000	175,000	300,000	400,000	1,512,000
Off-Site C.3 National Pollutant Discharge Elimination System (NPDES) Permit Implementation	100,000					100,000
Permit Review and Inspection for Outside Agencies	25,000	25,000	25,000	25,000	25,000	125,000
Preliminary Engineering	180,000	100,000	80,000	60,000	50,000	470,000
Program Management	155,000	100,000	80,000	60,000	50,000	445,000
Reserve for Alma Storm Drain		693,000				693,000
Rincon Storm System Improvements, Phase II	1,500,000					1,500,000
Storm Pump Station Replacements	500,000					500,000
Willow Glen-Guadalupe, Phase II	1,975,000	25,000				2,000,000
Total: Construction/Non-Construction	8,340,000	1,906,000	1,370,000	989,000	1,128,000	13,733,000
Ending Fund Balance	834,637	408,637	141,637	286,637	294,637	294,637
Total: Storm Sewer System Capital Program	9,174,637	2,314,637	1,511,637	1,275,637	1,422,637	14,027,637
Water Pollution Control Capital Program						
Administration Building & Gate Security Improvements	200,000					200,000
Alternative Disinfection	1,000,000	3,500,000				4,500,000
Arbitrage Rebate Payment	100,000	300,000				400,000
Biological Nutrient Removal Q2 Air Upgrade	100,000					100,000
Budget Office - Capital Program Staff	65,000	68,000	71,000	75,000	79,000	358,000
CIP Action Team	41,000	41,000	43,000	43,000	48,000	216,000
Civic Center Occupancy Reserve		24,000	49,000	50,000	51,000	174,000
Civic Center Start-up Costs	1,000					1,000

	,					5-Year
	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	Total
Water Pollution Control (Cont'd.) Capital Program						
Dissolved Air Flotation Pressure Retention Tank & Valves	200,000	200,000	200,000	200,000	200,000	1,000,000
Equipment Replacement	1,525,000	2,000,000	1,525,000	1,525,000	1,525,000	8,100,000
Filter Improvements		750,000	5,250,000			6,000,000
Inactive Lagoons Bio-Solids Removal	500,000		500,000		500,000	1,500,000
Information Technology Staff	67,000	43,000	45,000	47,000	49,000	251,000
Lab Information Management System	500,000					500,000
Land Acquisitions & Improvements	100,000	100,000	100,000	100,000	100,000	500,000
Payment for Clean Water Financing Authority Trustee	135,000	135,000	135,000	135,000	135,000	675,000
Plant Electrical Reliability	3,000,000	3,000,000	5,000,000	5,000,000	4,000,000	20,000,000
Plant Infrastructure Improvements	3,175,000	3,270,000	4,920,000	3,230,000	3,230,000	17,825,000
Raw Sewage & Effluent Sampling Stations	200,000					200,000
Reserve for Equipment Replacement	5,000,000					5,000,000
Reserve for GRS Agreement	1,800,000					1,800,000
Reserve for Rate Studies	200,000					200,000
Revised South Bay Action Plan - Industrial Recycle/Reuse	200,000	100,000	100,000	100,000	100,000	600,000
Revised South Bay Action Plan - Inflow/Infiltration Reduction	50,000					50,000
Revised South Bay Action Plan - SBWR Extension	30,908,000	389,000	394,000	389,000	389,000	32,469,000
Salt Marsh Restoration	2,400,000					2,400,000
South Bay Water Recycling Program	250,000					250,000
State Revolving Fund Loan Repayment	4,464,000	4,464,000	4,464,000	4,464,000	4,464,000	22,320,000
Transfer to Clean Water Financing Authority Debt Service Payment Fund	1,309,000	1,697,000	1,662,000	1,662,000	1,660,000	7,990,000
Unanticipated/Critical Repairs	250,000	250,000	250,000	250,000	250,000	1,250,000
WPCP Reliability Improvements	55,000,000		,	2,000,000		57,000,000
Total: Construction/Non-Construction	112,740,000	20,331,000	24,708,000	19,270,000	16,780,000	193,829,000
Ending Fund Balance	27,058,268	25,504,268	21,720,268	19,749,268	18,847,268	18,847,268

	2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	5-Year Total
Water Pollution Control (Cont'd.) Capital Program		-		-		
Total: Water Pollution Control Capital Program	139,798,268	45,835,268	46,428,268	39,019,268	35,627,268	212,676,268*
Water Utility System						
Capital Program						
Advance System Design	300,000	360,000	380,000	390,000	400,000	1,830,000
Budget Office Capital Program Staff	16,000	17,000	19,000	20,000	21,000	93,000
CIP Action Team	41,000	33,000	35,000	42,000	48,000	199,000
Edenvale Well #13 Rehabilitation		45,000	205,000			250,000
Edenvale Well #4	800,000					800,000
Evergreen Hydraulic Model		200,000				200,000
Gold Street Main Relocation	400,000					400,000
Information Technology Staff	27,000	17,000	18,000	19,000	20,000	101,000
Infrastructure Improvements	400,000	400,000	400,000	420,000	440,000	2,060,000
Major Facilities Fee Administration	15,000	15,000	15,000	15,000	15,000	75,000
Major Water Facility Fee Update	80,000					80,000
Master Plan Engineering	60,000	60,000	60,000	70,000	75,000	325,000
Meter Installations	300,000	300,000	300,000	300,000	320,000	1,520,000
Montague Turnout					325,000	325,000
Network System Flow Improvements	30,000	30,000	25,000	15,000	5,000	105,000
Nortech Parkway East Loop Main				100,000	650,000	750,000
North Coyote Valley Water System	2,894,000					2,894,000
North First Street Parallel Main	825,000				200,000	1,025,000
North San Jose Well Site Improvements	,	180,000				180,000
Norwood Pump Station Replacement		, , , , , , , , , , , , , , , , , , , ,	50,000	750,000		800,000
Preliminary Engineering	40,000	42,000	44,000	46,000	48,000	220,000
Remington Drive Main Replacement	520,000	,	2 300 Barrer 200		•	520,000
Reserve For System Growth Related Projects	1,400,000					1,400,000
Reserve for System Rehabilitation/Replacement	1,383,000	200,000	200,000	100,000	100,000	1,983,000
Reservoir Seismic Retrofit	100,000	100,000	100,000	,		300,000

2004-2005	2005-2006	2006-2007	2007-2008	2008-2009	5-Year Total
150,000	150,000	150,000			450,000
330,000	340,000	350,000	360,000	370,000	1,750,000
400,000	420,000	430,000	450,000	470,000	2,170,000
250,000					250,000
		40,000	210,000		250,000
	250,000				250,000
10,761,000	3,159,000	2,821,000	3,307,000	3,507,000	23,555,000
876,839	1,046,839	1,266,839	1,055,839	532,839	532,839*
11,637,839	4,205,839	4,087,839	4,362,839	4,039,839	24,087,839*
173,325,000	42,568,000	45,006,000	41,385,000	36,751,000	339,035,000*
31,588,996	29,393,996	26,351,996	22,964,996	22,501,996	22,501,996*
204,913,996	71,961,996	71,357,996	64,349,996	59,252,996	361,536,996 <sup>*</sup>
	150,000 330,000 400,000 250,000 10,761,000 876,839 11,637,839 173,325,000 31,588,996	150,000 150,000 330,000 340,000 400,000 420,000 250,000  10,761,000 3,159,000 876,839 1,046,839 11,637,839 4,205,839  173,325,000 42,568,000 31,588,996 29,393,996	150,000 150,000 150,000 330,000 340,000 350,000 400,000 420,000 430,000 250,000 40,000 250,000 250,000 2,821,000 876,839 1,046,839 1,266,839 11,637,839 4,205,839 4,087,839 173,325,000 42,568,000 45,006,000 31,588,996 29,393,996 26,351,996	150,000 150,000 150,000 330,000 340,000 350,000 360,000 400,000 420,000 430,000 450,000 250,000  10,761,000 3,159,000 2,821,000 3,307,000 876,839 1,046,839 1,266,839 1,055,839 11,637,839 4,205,839 4,087,839 4,362,839  173,325,000 42,568,000 45,006,000 41,385,000 31,588,996 29,393,996 26,351,996 22,964,996	150,000 150,000 150,000 360,000 370,000 400,000 420,000 420,000 40,000 250,000 40,000 250,000 40,000 250,000 40,000 250,000 40,000 210,000 250,000 10,761,000 3,159,000 2,821,000 3,307,000 3,507,000 876,839 1,046,839 1,266,839 1,055,839 532,839 11,637,839 4,205,839 4,087,839 4,362,839 4,039,839 173,325,000 42,568,000 45,006,000 41,385,000 36,751,000 31,588,996 29,393,996 26,351,996 22,964,996 22,501,996

<sup>\*</sup> The 2004-2005 through 2007-2008 Ending Balances are excluded from the FIVE-YEAR TOTAL USE OF FUNDS to avoid multiple counting of same funds.